

The one or more processors **1410** can refer to at least one of a central processing unit (CPU) and at least one microcontroller for performing dedicated functions. Also, the one or more processors **1410** can refer to application specific integrated circuits.

[0091] According to some embodiments, the accessory device **1400** can include a display unit **1420**. The display unit **1420** is capable of presenting a user interface that includes icons (representing software applications), textual images, and/or motion images. In some examples, each icon can be associated with a respective function that can be executed by the one or more processors **1410**. In some cases, the display unit **1420** includes a display layer (not illustrated), which can include a liquid-crystal display (LCD), light-emitting diode display (LED), or the like. According to some embodiments, the display unit **1420** includes a touch input detection component and/or a force detection component that can be configured to detect changes in an electrical parameter (e.g., electrical capacitance value) when the user's appendage (acting as a capacitor) comes into proximity with the display unit **1420** (or in contact with a transparent layer that covers the display unit **1420**). The display unit **1420** is connected to the one or more processors **1410** via one or more connection cables **1422**.

[0092] According to some embodiments, the accessory device **1400** can include one or more sensors **1430** capable of provide an input to the one or more processors **1410** of the accessory device **1400**. In some examples, the one or more sensors **1430** may include a UV sensor or a temperature sensor, as non-limiting examples. The one or more sensors **1430** is/are connected to the one or more processors **1410** via one or more connection cables **1432**.

[0093] According to some embodiments, the accessory device **1400** can include one or more input/output components **1440**. In some cases, the one or more input/output components **1440** can refer to a button or a switch that is capable of actuation by the user. In some examples, the one or more input/output components **1440** can refer to a charging module, including an inductive charging receiver coil and/or an inductive charging transmitter coil. In this regard, the one or more input/output components **1440** may include DC to AC converters and/or rectifier circuits (which form AC to DC converters). When the one or more input/output components **1440** are used, the one or more input/output components **1440** can generate an electrical signal that is provided to the one or more processors **1410** via one or more connection cables **1442**.

[0094] According to some embodiments, the accessory device **1400** can include a power supply **1450** that is capable of providing energy to the operational components of the accessory device **1400**. In some examples, the power supply **1450** can refer to a rechargeable battery. The power supply **1450** can be connected to the one or more processors **1410** via one or more connection cables **1452**. The power supply **1450** can be directly connected to other devices of the accessory device **1400**, such as the one or more input/output components **1440**. In some examples, the accessory device **1400** can receive power from another power sources (e.g., an external charging device) not shown in FIG. 21. Also, the power supply **1450** can provide energy to an electronic device carried by the accessory device **1400**, and/or to other user accessories positioned on or in the accessory device **1400**.

[0095] According to some embodiments, the accessory device **1400** can include memory **1460**, which can include a single disk or multiple disks (e.g., hard drives), and includes a storage management module that manages one or more partitions within the memory **1460**. In some cases, the memory **1460** can include flash memory, semiconductor (solid state) memory or the like. The memory **1460** can also include a Random Access Memory ("RAM") and a Read-Only Memory ("ROM"). The ROM can store programs, utilities or processes to be executed in a non-volatile manner. The RAM can provide volatile data storage, and stores instructions related to the operation of the accessory device **1400**. In some embodiments, the memory **1460** refers to a non-transitory computer readable medium. The one or more processors **1410** can also be used to execute software applications. In some embodiments, a data bus **1462** can facilitate data transfer between the memory **1460** and the one or more processors **1410**.

[0096] According to some embodiments, the accessory device **1400** can include wireless communications components **1470**. A network/bus interface **1472** can couple the wireless communications components **1470** to the one or more processors **1410**. The wireless communications components **1470** can communicate with other electronic devices via any number of wireless communication protocols, including at least one of a global network (e.g., the Internet), a wide area network, a local area network, a wireless personal area network (WPAN), or the like. In some examples, the wireless communications components **1470** can communicate using NFC protocol, BLUETOOTH® protocol, or WIFI® protocol.

[0097] The various aspects, embodiments, implementations or features of the described embodiments can be used separately or in any combination. Various aspects of the described embodiments can be implemented by software, hardware or a combination of hardware and software. The described embodiments can also be embodied as computer readable code on a computer readable medium for controlling manufacturing operations or as computer readable code on a computer readable medium for controlling a manufacturing line. The computer readable medium is any data storage device that can store data which can thereafter be read by a computer system. Examples of the computer readable medium include read-only memory, random-access memory, CD-ROMs, HDDs, DVDs, magnetic tape, and optical data storage devices. The computer readable medium can also be distributed over network-coupled computer systems so that the computer readable code is stored and executed in a distributed fashion.

[0098] The foregoing description, for purposes of explanation, used specific nomenclature to provide a thorough understanding of the described embodiments. However, it will be apparent to one skilled in the art that the specific details are not required in order to practice the described embodiments. Thus, the foregoing descriptions of the specific embodiments described herein are presented for purposes of illustration and description. They are not targeted to be exhaustive or to limit the embodiments to the precise forms disclosed. It will be apparent to one of ordinary skill in the art that many modifications and variations are possible in view of the above teachings.

What is claimed is:

1. An accessory device for use with an electronic device, the accessory device comprising: